

# MATERIAL SAFETY DATA SHEET

according to EC Directive 91/155/EEC

# AppliChem

Product number: A1120

Product name: Bromophenol blue sodium salt

## 1. Identification of the substance/preparation and of the company/undertaking

### Identification of the product

Product number: A1120  
Product name: Bromophenol blue sodium salt

### Manufacturer/supplier identification

AppliChem GmbH  
Ottoweg 4  
D-64291 Darmstadt  
Tel. +49 6151 / 9357-0 Fax +49 61 51 / 9357-11

## 2. Composition/information on ingredients

CAS-No.: 34725-61-6  
Molar mass: 691.97  
Molecular formula:  $C_{19}H_9Br_4NaO_5S$   
EC-No.: 252-170-2

## 3. Hazards identification

No hazardous product as specified in Directive 67/548/EEC.

## 4. First aid measures

After inhalation: fresh air.  
After skin contact: wash off with plenty of water. Remove contaminated clothing.  
After eye contact: rinse out with plenty of water with the eyelid held wide open.  
After swallowing: wash out mouth with plenty of water. Summon doctor.

## 5. Fire-fighting measures

Suitable extinguishing media:  
powder, foam, spray water.

Special risks:  
Development of hazardous combustion gases or vapours possible in the event of fire. The following may develop in event of fire: Carbon oxides, sulfur oxides, sodium oxides, HBr gas.

Special protective equipment for fire fighting:  
Do not stay in dangerous zone without self-contained breathing apparatus.

Other information:  
Prevent fire-fighting water from entering surface water or groundwater.

## 6. Accidental release measures

Person-related precautionary measures:  
Avoid generation of dusts; do not inhale dusts.

Environmental-protection measures:  
Do not allow to enter sewerage system.

Procedures for cleaning / absorption:  
Take up dry. Forward for disposal. Clean up affected area.

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## 7. Handling and storage

*Handling:*

No further requirements.

*Storage:*

Tightly closed. Dry. At +5°C to +30°C.

## 8. Exposure controls/personal protection

*Personal protective equipment:*

Respiratory protection: required when dusts are generated.

Eye protection: required

Hand protection: Use recommended

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

*Industrial hygiene:*

Change contaminated clothing. Wash hands after working with substance.

## 9. Physical and chemical properties

Form:	solid	
Colour:	brown	
pH value at 100 g/l H <sub>2</sub> O ( 20 °C)		not available
Melting point		not available
Boiling point		not available
Ignition temperature		not available
Flash point		not available
Explosion limits	lower upper	not available not available
Relative vapour density		not available
Density		not available
Solubility in	water (20 °C)	soluble

## 10. Stability and reactivity

*Conditions to be avoided*

no information available

*Substances to be avoided*

strong oxidizing agents.

*Hazardous decomposition products*

in the event of fire: See chapter 5.

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## 11. Toxicological information

### *Acute toxicity*

Quantitative data on the toxicity of this product are not available.

### *Further toxicological information*

Hazardous properties cannot be excluded but are unlikely when the product is handled appropriately.

### *Further data*

The product should be handled with the care usual when dealing with chemicals.

## 12. Ecological information

### *Ecotoxic effects:*

Quantitative data on the ecological effect of this product are not available.

### *Further ecologic data:*

No ecological problems are to be expected when the product is handled and used with due care and attention.

## 13. Disposal considerations

### *Product:*

There are no harmonised regulations on the disposal of chemicals in the member states of the EU. In Germany, the Recycling and Waste Management Act (KrW-/AbfG) stipulates recycling as a requirement. This means that a distinction must be made between "wastes for recycling" and "wastes for disposal". Particular aspects - in the main concerning delivery - are also governed by the Laender. Please contact the competent body (authority or waste disposal company) where you will obtain information on recycling or disposal.

### *Packaging:*

Disposal in compliance with official regulations. Handle contaminated packaging in the same way as the substance itself. If not officially specified differently, non-contaminated packaging may be treated like household waste or recycled.

## 14. Transport information

Not subject to transport regulations.

## 15. Regulatory information

### *Labelling according to EC Directives*

Symbol: ---

R-phrases: ---

S-phrases: ---

### *German regulations*

Storage class VCI 10-13

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## 16. Other information

*Reason for alteration:*  
General update.

Date of issue: 02.06.2004

Supersedes edition of 11.04.2002

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.